

**REMARKS**

Claims 1-22 were presented for examination in the present application. The instant amendment cancels claim 22 without prejudice and adds new claim 23. Thus, claims 1-21 and 23 are presented for consideration upon entry of the instant amendment. Claims 1 and 10 are independent.

Independent claims 1 and 10, as well as dependent claims 2-9 and 11-21, were rejected under 35 U.S.C. §102(b) over U.S. Publication No. 2003/0053454 to Katsavounidis et al. (Katsavounidis). Dependent claim 22 was rejected under 35 U.S.C. §103 over Katsavounidis.

Applicant respectfully submits that clarified claims 1 and 10 are not disclosed or suggested by the cited art.

Claims 1 and 10 have each been amended to include elements of claim 22, which has been cancelled. Applicants submit that these amendments obviate the rejection to claims 1 and 10 under 35 U.S.C. §102(b). Reconsideration and withdrawal of this rejection are therefore respectfully requested.

Applicant respectfully traverse the assertion, with respect to claim 22, that Katsavounidis discloses or suggests a transmission system is configured for use in a field selected from the group consisting of building control technology, process industry, manufacturing industry, passenger transportation, and operation of an automation plant as in claims 1 and 10.

Katsavounidis is directed to a video encoding, which is completely different field of art as the building control technology, process industry, manufacturing industry, passenger transportation, and operation of an automation plant of claims 1 and 10.

In addition, claims 1 and 10 each recite that "the security-relevant data is

transmitted in at least one packet and each of the respective redundant information based solely on all the security-relevant data of the respective one packet is transmitted in a separate packet".

In contrast, Katsavounidis discloses that for a given frame or VOP, the selected packet bits targeted for FEC coding are concatenated together and the FEC code bits are generated for the concatenated bits. See paragraph [0016].

Clearly, the coding that are concatenated together as in Katsavounidis does not disclose or suggest the separate packets of claims 1 and 10.

Accordingly, Applicant respectfully submits that claims 1 and 10, as well as claims 2-9 and 11-21 that depend therefrom, are in condition for allowance. Reconsideration and withdrawal of the rejection to claims 1-21 are respectfully requested.

Furthermore, and in the interest of expediting prosecution, independent claims 1 and 10 have been further clarified to overcome the rejection in view of Katsavounidis.

More particularly, independent claims 1 and 10 have been clarified to recite, in part, that "the security-relevant data of each packet has security-relevant data comprising user data and check data" and that "communication participants verify the proper function of other participants via checking transmission paths over signal chains by exchanging relevant check block data".

Katsavounidis simply fails to disclose or suggest the security-relevant data comprising "user data and check data" or the checking transmission paths over signal chains by "exchanging relevant check block data" of clarified claims 1 and 10.

Accordingly, Applicant respectfully submits that clarified claims 1 and 10, as well as claims 2-9 and 11-21 that depend therefrom, are in condition for allowance.

Reconsideration and withdrawal of the rejection to claims 1-21 are respectfully requested.

Claim 23 has been added to point out various aspects of the present application. Support for claim 23 can be found in the specification at least at page 5, line 11. No new matter is added.

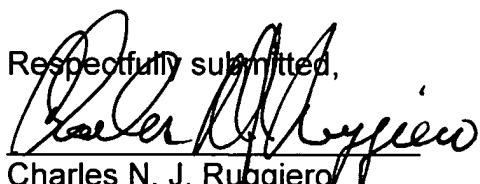
Claim 23 is believed to be in condition for allowance for at least the reasons discussed above with respect to claim 10. Furthermore, claim 23 recites that the at least one parallel and/or serial network and/or bus system comprises an Interbus system. Applicant submits that the cited art fails to disclose or suggest a transmission system having the claimed means, arranged on the side of the sender, for the packet-oriented embedding of the security-relevant data in combination with an Interbus system.

In view of the above, it is respectfully submitted that the present application is in condition for allowance. Such action is solicited.

If for any reason the Examiner feels that consultation with Applicant's attorney would be helpful in the advancement of the prosecution, the Examiner is invited to call the telephone number below.

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Respectfully submitted,

  
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